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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,633	04/15/2004	Gary Dilling	446-011602-US (PAR)	9000
2512	7590 11/04/2005		EXAMINER	
PERMAN & GREEN			SHARP, JEFFREY ANDREW	
425 POST ROAD FAIRFIELD, CT 06824			ART UNIT	PAPER NUMBER
	,		3677	
		DATE MAILED: 11/04/2005	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)			
Office Action Summary		10/825,633	DILLING, GARY			
		Examiner	Art Unit			
	·	Jeffrey Sharp	3677			
Period fo	The MAILING DATE of this communication a or Reply	appears on the cover sheet with the o	orrespondence address			
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RESCHEVER IS LONGER, FROM THE MAILING nsions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory perior to reply within the set or extended period for reply will, by state reply received by the Office later than three months after the may be patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 1.1.136(a). In no event, however, may a reply be till iod will apply and will expire SIX (6) MONTHS from titute, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 15	5 August 2005.				
2a)	This action is FINAL . 2b)⊠ This action is non-final.					
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.D. 11, 4	53 O.G. 213.			
Dispositi	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1-5 is/are pending in the applicatio 4a) Of the above claim(s) is/are withd Claim(s) is/are allowed. Claim(s) 1-5 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and	Irawn from consideration.				
Applicati	ion Papers					
10)⊠	The specification is objected to by the Exam The drawing(s) filed on <u>4/15/2004</u> is/are: a)[Applicant may not request that any objection to t Replacement drawing sheet(s) including the corr The oath or declaration is objected to by the	☑ accepted or b)☐ objected to by the drawing(s) be held in abeyance. Se rection is required if the drawing(s) is ob	e 37 CFR 1.85(a). njected to. See 37 CFR 1.121(d).			
Priority u	under 35 U.S.C. § 119					
12)[a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the papplication from the International Bure See the attached detailed Office action for a line.	ents have been received. ents have been received in Applicat riority documents have been receiv eau (PCT Rule 17.2(a)).	ion No ed in this National Stage			
2) Notice 3) Information	et(s) te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/ ter No(s)/Mail Date					

Application/Control Number: 10/825,633

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DETAILED ACTION

Status of Claims

[1] Claims 1-5 are pending.

Claims 6-10 are cancelled.

Claim Rejections - 35 USC § 102

[2] The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

[3] Claims 1-3, and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Stacy US-5,957,645.

In its broadest sense, Stacy substantially teaches:

A fastener having a recess constructed to have a partial interference fit with an associated driver for removably engaging said driver and said fastener, said fastener having a shank with longitudinal axis, said shank constructed having the recess formed at its end, the recess having a central portion and a plurality of wings (22) radiating outwardly from the central portion, each of

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the wings having an installation wall (24) and a removal wall (26), the wings being configured so that at least one of the installation or removal walls defines a segment of a spiral, said recess further comprising: a transition surface (32) connecting said installation and removal walls of adjacent wings, said transition surface extending from a top portion of said recess to a bottom portion of said recess; an interference surface constructed as portion of said transition surface, said surface having a first radial distance from the longitudinal axis at a top portion thereof to a second radial distance from said longitudinal axis at a bottom portion thereof; and wherein said first radial distance is larger than said second radial distance.

As for Claim 2, Column 2 lines 50-53 suggests "an angle with a line parallel to said longitudinal axis in a range of between .5 degrees to 2 degrees".

As for Claim 3, Stacy broadly teaches "transition surfaces" (32) that are diametrically opposed. Any surface that makes contact with a driver may be broadly construed as an "interference surface" or "interference fit", and thus the "transition surfaces" taught by Stacy cooperate to form an "interference fit" with a driver configured to engage the recess".

As for claim 4, in its broadest sense, the interference surfaces taught by Stacy are constructed to provide an interference with a forward portion of a driver (in order to provide a means for applying a torque at the leading or "forward" edge), and allow surface to surface contact between the driver and wings at a rearward position of the driver (where the driver tip axially tapers off).

As for Claim 5, the first radial distance is formed substantially "according to a standard recess opening of a spiral type recess".

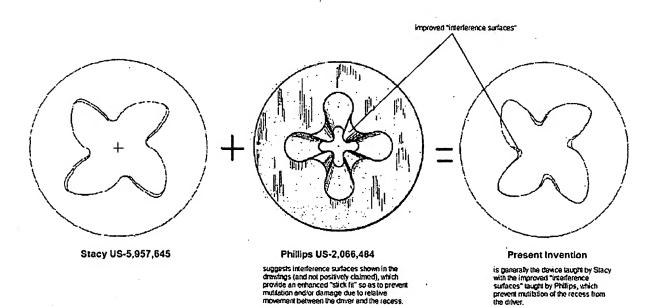
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Conclusion

[4] The prior art made of record and not relied upon is considered pertinent to applicant's disclosure is as follows:

US 20050232722 A1 US 2066484 A US 2285460 A US 3170364 A US 3331274 A US 3673912 A US 4171662 A US 5279190 A US 5291811 A US 5598753 A US 5931706 A US 6234914 B1 US 6361258 B1 US 6367358 B1 US 6575061 B2 US 6655888 B2 US 6698315 B1 US 6725746 B1 US 6725746 B1	US-PGPUB USPAT	Dilling, Gary PHILLIPS HENRY F PURTELL WILLIAM A JOHNSON ROBERT K et al. MARVIN WALTON Herr; George E. Simone; James V. et al. Goss; David et al. Goss; David Lee; James S. Bassi; Alberto Stacy; W. Dodd Heesch; Gary V. Stacy; W. Dodd Wagner; John B. Schultz; Dennis Wright; Richard B. Wright; Richard B.
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[5] Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey Sharp whose telephone number is (571) 272-7074. The examiner can normally be reached 7:00 am - 5:30 pm Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J.J. Swann can be reached on (571) 272-7075. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JAS

10/22/05

ROBERT J. SANDY PRIMARY EXAMINER